



### ARM: Engineering Proposal Plan

Project Title: City Road, Newcastle  
Project No: Z01/12151  
Version: 1  
Budget Category: Policy Mains

Network Analysis Model: 66M2001  
COAM Area: North Type

Proposed Mains: --- Low Pressure  
--- Medium Pressure  
--- Intermediate Pressure

Mains to be Abandoned: --- --- ---

#### ARM Design Risks:

General (Applicable to ALL projects):

<b>Y</b> MP / IP / NP in vicinity of works	<2" Steel or I&C Services >2"
<b>N</b> Working within 200m of a Level Crossing	Network shall be informed if working within 200m of a Level Crossing
<b>N</b> Dip Points	To be picked up if PE, or replaced if metallic with a PE equivalent to NGN agreed specification
<b>N</b> Pressure Loggers	To be picked up if PE, or replaced if metallic with a PE equivalent to NGN agreed specification
<b>N</b> MEG Sampling Points	To be picked up if PE, or replaced if metallic with a PE equivalent to NGN agreed specification
<b>N</b> Back Garden mains	As per NGN bulletin SEB13 mains should only be inserted if proven that no environmental harm
<b>N</b> Working within 200m of a pressure recorder	Contact Network Control on 0191 511 4546
<b>N</b> Strategic valves	As per NGN/PRASB11 and NGN/PRASB2, insertion is not to be considered
<b>N</b> Asbestos mains	As per NGN/PRASB11 and NGN/PRASB2, insertion is not to be considered
<b>N</b> Ductile Iron Medium Pressure mains	As per NGN/PRASB2, no DMP to be left <30m of buildings
<b>N</b> Cathodic Protection	Any new steel or connections to existing steel to have appropriate CP in place. Contact cathodicprotection@northern.co.uk
<b>N</b> Section 58 within scope	
<b>N</b> Project is Designed using Global T1 Model	project was designed using the T1 GM principles none of the operational can be downgraded

Other Comments / Risks:

Network Analysis (Mark with "Y" or "N")

<b>N</b> Design Pressures <24mb ?	Services to be designed to the available pressure drop to ensure min 10mb at 100% flow NGN/PRASB11, Table B3
<b>Y</b> Design Pressures >24mb ?	Replacement services can be installed to max 10mb pressure drop

Seasonal Construction Window:

Construction Sequencing / General comments:

#### Enabling / Pre-Construction Risks:

SCALE: 1:1,250

USER ID:

DATE: 07/02/2019 11:31:49

ADVANCED PLOT

GRID REFERENCE: E: 426126 N: 564208

Low Pressure

Medium Pressure

Intermediate Pressure

Regional High Pressure

Abandoned LP Pipe

Abandoned MP Pipe

SOME examples of Plant Items:

Valve

Depth of Cover

Syphon

Diameter Change

Material Change

TITLE :

The plan shows those pipes owned by Northern Gas Networks or the relevant Gas Distribution Network in their roles as Licenced Gas Transporters (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, sub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Northern Gas Networks, the relevant Gas Distribution Network, or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

ArcGIS Server 9.3.1

Northern Gas Networks

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